



Jefferson Lab Alignment Group

Data Transmittal

TO: A. Bogacz, N. Okay, R. Ent, A. Freyberger

DATE: Jun 07, 2005

FROM: J. Dahlberg

Checked:

: C997

DETAILS:

The Hall C chicane viewers have been offset horizontally prior to installation which should center them on the ideal beam line. This should compensate for the large X offsets listed in DT# C995. The accumulated error for setting the viewers and connecting the flanges is estimated to be less than 1 millimeter. Also included are the as-set positions of the DZ and EZ magnets. The values are relative to ideal beam following location (in mm), with +X to the beam left, +Y above, and +Z downstream.

LOCATION	X original	X corrected	Y	Z
VIEWER FLANGE(upst DZ)	3.58	0.00	-1.81	
VIEWER FLANGE(dnst DZ)	1.41	0.00	-0.30	
YAG VIEWER	-0.29	-0.29	-1.50	
VIEWER FLANGE(upst EZ)	-7.77	0.00	2.61	
VIEWER FLANGE(dnst EZ)	0.28	0.28	-2.98	
DZ MAGNET	0.94		-1.72	0.04
EZ MAGNET	0.60		-0.50	1.51